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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/599,309	03/05/2007	Kosuke Naito	G0126.0249	6752
32172 DICKSTEIN S	7590 06/14/201 HAPIRO LLP	EXAMINER		
1633 Broadway			PITT, BRYAN W	
NEW YORK, NY 10019			ART UNIT	PAPER NUMBER
			2617	
			MAIL DATE	DELIVERY MODE
			06/14/2010	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/599,309	NAITO ET AL.				
Office Action Summary	Examiner	Art Unit				
	Bryan Pitt	2617				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 27 M	ay 2010.					
2a) This action is FINAL . 2b) ☑ This	This action is FINAL . 2b)⊠ This action is non-final.					
·	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.				
Disposition of Claims						
4) Claim(s) 1 and 2 is/are pending in the applicating 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 1 and 2 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or	wn from consideration.					
Application Papers						
9)☐ The specification is objected to by the Examine	r.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati ity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage				
Attachment(s)	n □	(DTO 440)				
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate				
0.5.1.1.7.1.1.000						

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DETAILED ACTION

Response to Amendment

Applicant's amendment was received 27 May 2010 and has been entered. Claim
 was amended and claims 3-9 were canceled. Claims 1-2 are pending.

Response to Arguments

- 2. Applicant's arguments, see After-Final Amendment, filed 27 May 2010, with respect to the rejection(s) of claim(s) 1 under 35 USC § 103 have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of a different interpretation of the cited prior art.
- 3. The Examiner agrees with the Applicant that Salmela teaches <u>increasing</u> the charge discount rate of the user of the base station as the total time for sending the specific use identification signal becomes shorter or as the usage time or the amount of using packet of a general user other than the user of the base station becomes larger. However, the Examiner disagrees with the assertion that Salmela fails to teach a charge discount rate as Salmela teaches providing call charges below the normal tariff.

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5. Claims 1-2 are rejected under 35 U.S.C. 103(a) as being unpatentable over US 6,516,193 to Salmela et al. in view of US 6,097,937 to Sawyer.

Regarding claim 1, Salmela teaches a mobile communication system comprising a base station and a terminal,

the base station being operable to transmit a downlink signal that includes a base station ID number indicating the identity of the base station and a specific use identification signal that indicates the base station is for specific use (i.e. Salmela teaches a base station which broadcasts its identifier; Col. 1 line 60 to Col. 2 line 8. The base station also broadcasts a signal informing a user that a special service, such as reduced tariff, is available Col. 1 lines 16-28), and

the terminal comprising a memory that stores a list of base station ID numbers of an accessible base station or an inaccessible base station, the list including every specific use identification signal (i.e. Salmela teaches that the mobile station stores a list of authorized base stations, including base stations for which a special service is available; Col. 3 lines 43-52), and

the terminal being operable to search whether or not the base station ID number in the received downlink signal is in the list of base station ID numbers and whether the specific use identification signal detected from the downlink signal is ON and performing communication with the base station only when access is permissible (i.e. Salmela teaches that the mobile station compares the broadcast base station identifier to the stored list of authorized base stations; Col. 10 lines 1-22. The mobile station is

restricted to accessing only permitted cells; Col. 10 lines 23-32. The mobile station also detects whether the special service message is being broadcast; Col. 1 lines 16-29),

the mobile communication system further comprising a mobile communication network connected to the base station (i.e. Salmela teaches the base stations operating in a mobile communications network; Col. 1 lines 30-47),

wherein the mobile communication network comprises a discount rate calculation unit that calculates a charge discount of a user of the base station (i.e. Salmela teaches discounting the tariff when the user makes call from certain cells, therefore having a discount rate calculation unit; Col. 1 lines 16-29),

Salmela does not specifically teach further comprising, wherein the base station periodically sends the information to a database for storing the information indicating whether or not the specific use identification signal is sent, the mobile communication network comprises a database for storing the information, wherein the discount rate calculation unit calculates a charge discount rate of a user of the base station on the basis of whether the user has used information on the base station stored in the database, and wherein the discount rate calculation unit increases the charge discount rate of the user of the base station as the total time for sending the specific use identification signal becomes short or as the usage time or the amount of using packet of a general user other than the user of the base station becomes larger; however, at the time the invention was made the above limitation was well known in the art of communications.

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Sawyer teaches a mobile communications system wherein a private microcell has an operating agreement with a public macrocell system thereby increasing the customer base of the public operator while providing wireless coverage to the private operator; see abstract. The private base stations presumably broadcast their cell IDs as is well known in the art. The mobile communications network charges the private users at a preferential rate when they operate in the private cell and at a public rate when they operate in a public cell; Fig. 4. If the microcell is inoperable or degraded, the private users are charged at the preferential rate; Fig. 4. The private system periodically sends reports on its operating status to the MSC of the public system; Col. 4 line 52 to Col. 5 line 8. If the private base station fails (thus it does not broadcast), it can neither serve the private users nor report to the public system (Col. 2 lines 36-46, Col. 4 line 63 to Col. 5 line 8). The MSC places information regarding the private base station operating status in a charging record (i.e. database) send to a billing center and the billing center adjusts the tariff applied to users of the private microcell according to the microcell status; Col. 4 lines 3-24, Col. 4 line 52 to Col. 5 line 8. If the private cell is has failed (thus is not broadcasting), the operator will charge the private users at the preferential rate; however, if the private cell was congested (i.e. the usage time or amount of packet use of another user becomes larger) the private user is charges at the preferential rate plus a surcharge, therefore the discount rate is increased; Fig. 4, Col. 5 lines 57-65. This allows the macrocell operator to give the private microcell subscribers preferential status in the public macrocell when the microcell is inoperable and charge an extra surcharge when the private microcell is congested; Col. 5 line 57 to Col. 6 line 9.

Therefore it would have been obvious to one of ordinary skill in the art at the time of invention to modify the mobile communications system of Salmela to include public and private cells in order to increase the customer base and to adjust tariffs according to the status of private base stations as taught by Sawyer in order to give preferential status to private users while penalizing for excessive use of system resources.

Regarding claim 2, the combination of Salmela and Sawyer teaches a mobile communication system according to claim 1, wherein the base station is operable to include the specific use identification signal to be included in a transmitted downlink common channel (i.e. Salmela teaches broadcasting the special service message, therefore transmitting on a downlink common channel; Col. 1 lines 16-29).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US 2002/0151300 teaches a wireless communication system comprising a plurality of public access point, a plurality of personal access points, and a control station wherein the control station measures the utilization level of each user's personal access points and discounts the user's utilization fee (rate) according to the frequency by which the user's personal access point was utilized by users other than the owner.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bryan Pitt whose telephone number is (571) 270-7466. The examiner can normally be reached on Monday - Friday 9:00 AM - 5:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, George Eng can be reached on (571) 272-7495. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/George Eng/ Supervisory Patent Examiner, Art Unit 2617

/B. P./ Examiner, Art Unit 2617